

Name _____ Date _____

Table Top Transformations

Chart (TTT - 1)

Give coordinates of original position, then the coordinates of the transformed shape.
The rotation is 90° clockwise about the origin. The reflection is about the y-axis and ~~x-axis~~.

| Shape | Original Position | Translate 3 right, 1 down | Rotate 90° Clockwise | Reflect across y-axis | Reflect across x axis |
|--------------------|--|--------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|
| Rectangle | A(2, 3) B(2, 6) C(,) D(,) | A(,) B(,) C(,) D(,) | A(,) B(,) C(,) D(,) | A(,) B(,) C(,) D(,) | A() B() C() D() |
| Right Triangle | H(0, 3) I(0, 0) J(,) | H(,) I(,) J(,) | H(,) I(,) J(,) | H(,) I(,) J(,) | H() I() J() |
| Isosceles Triangle | E(-2.5, 0) F(,) G(-1, -5) | E(,) F(,) G(,) | E(,) F(,) G(,) | E(,) F(,) G(,) | E() F() G() |
| Trapezoid | K(,) L(6, -1) M(8, -1) N(,) | K(,) L(,) M(,) N(,) | K(,) L(,) M(,) N(,) | K(,) L(,) M(,) N(,) | K() L() M() N() |